

# September 4<sup>th</sup> and 5<sup>th</sup> Fish Passage Barrier Field Tour

## Itinerary and Objectives

### Anticipated Participant

Aaron Beavers, NOAA  
Johnna Sandow, NOAA  
Ally Turner, USFWS  
Jeremy Moore, USFWS  
Erin Kenison, USFWS  
Clayton Nalder, USFS  
Mike Edmondson, OSC

Mark Miller, Bio-Analysts  
Rob Richardson, Rio ASE  
Dan Kline, Midas Gold  
Wesley Keller, Nez Perce  
Emmit Taylor, Nez Perce

### Wed Sep 4<sup>th</sup>

10:30 -11:00am (0.5 hrs)

- Meet tour group at site for check in

11:00am – 1:00pm (2 hrs)

- Hike to and examine barriers on EFSFSR above Meadow Creek

1:00pm – 1:30pm (0.5 hrs)

- Lunch at office

1:30pm – 4:30pm (3 hrs)

- Hike EFSFSR enhancement areas above Tunnel
  - 1.5 miles along river hiking on old haul road running adjacent to river

4:30pm – 5:00pm (0.5 hrs)

- Visit and discuss Box Culvert barrier

5:00pm

- Leave site for the day

**Objective 1:** Show/examine potential passage barriers on the EFSFSR and discuss with the group the potential passage of Chinook salmon, steelhead, and bull trout under current conditions.

- Discuss current passage conditions
- Do these passage conditions limit adult salmon and bull trout?
- Did past disturbances influence stream and passage conditions in the EFSFSR? Provide material to group attending field trip and discuss at the next IC ESA meeting.
- Discuss other potential fish passage barriers (i.e., box culvert, YPP barrier, etc.) so that any questions related to the Fish Passage TM can be resolved.

**Objective 2:** Discuss enhancement opportunities in the EFSFSR upstream from tunnel.

- Discuss biological objectives for stream reach(es)
- Discuss different habitat enhancement opportunities to address biological objectives with group (LWD and boulder placement). Does the group see other opportunities?
- Discuss instream work window and fish salvage operations expected with stream enhancement.
- Time allowing-discuss fish salvage and relocation associated with YPP. Visit potential downstream locations for fish placement strategy by species and life stage.

**Objective 3:** Discuss SFA scoring and ESA consultation (impacts vs benefits quantification)

- Should benefits be attributed to improving passage on the EFSFSR above Meadow Creek?
- Should LWD recruitment potential conditions be re-evaluated given the relatively small size of trees in the area (most less than 12-inch DBH)

**Thu Sep 5<sup>th</sup>**

9:00am – 9:30am (0.5 hrs)

- Meet tour group at site for check in

9:30am – 2:00pm (4.5 hrs)

- Hike Meadow Creek upstream of SODA to sample location MWH-034
  - 1.2 miles along river hiking existing access road and diverting to river as needed along the way; pack lunch and eat on the way

2:00pm – 4:00pm (2hrs)

- Stop at Meadow Ck where Hanger Flats Pit will divert the creek.
  - Hike around area as needed

4:00 pm

- Leave site for the day.

**Objective 1:** Visit Meadow Creek where the TSF will be located and discuss stream habitat upstream and downstream of TSF to Hangar Flats.

- a. Discuss instream work windows, fish salvage strategy, and biological objectives for Meadow Creek. Discuss relevance of using BPA's HIP III conservation measures as a guide for water management and fish salvage.
- b. Fish disposition and relocation
- c. Discuss how split flows should be evaluated in the SFA Ledger: off-channel habitat (no length), separate reach (adds length), or additional length associated with the main channel?

**Objective 2:** Stop at Hangar Flats Pit site and discuss diversion from Meadow Creek to Hangar Flats.

- a. Discuss diversion location and potential diversion types that may be appropriate.